



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Complete if Known

Application Number	09/581,252
Filing Date	December 4, 2000
First Named Inventor	MUNROE, et al.
Examiner Name	Elizabeth KEMMERER
Group Art Unit	1646
Attorney Docket Number	2931-105

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Assignment Papers | <input type="checkbox"/> After Allowance Communication to Group |
| <input checked="" type="checkbox"/> Fee Attached | <input checked="" type="checkbox"/> Drawing(s) | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input checked="" type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Status Letter |
| <input checked="" type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | Accompanying Amendment: |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | Article published by CHUN et al. (Enclosure A) and PCT Intl. App. No. WO 99/335259 |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) | |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

REMARKS:

Submission of Sequence Listing w/paper copy of listing and copy recorded on diskette

SUBMITTED BY		Complete (if applicable)			
NAME AND REG. NUMBER	Robert B. Murray, Reg. No. 22,980				
SIGNATURE		DATE	March 11, 2004	DEPOSIT ACCOUNT USER ID	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/581,252
Applicant : MUNROE et al.
Filed : December 4, 2000
TC/A.U. : 1646
Examiner : Elizabeth KEMMERER

Docket No. : 2931-105
Customer No. : 06449
Confirmation No. : 4192

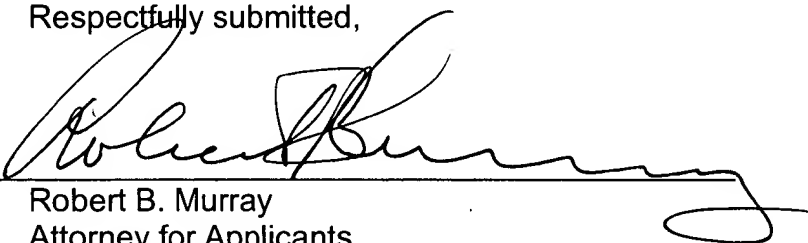
SUBMISSION OF SUBSTITUTE DRAWINGS

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

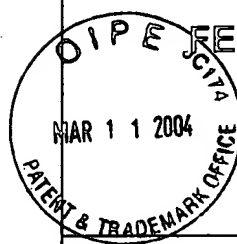
Attached hereto are FOUR (4) sheets of substitute drawings of **Figures 4A, 4B and 4C** to replace the FOUR (4) sheets of original drawings of **Figures 4A, 4B and 4C** filed with the subject application.

Respectfully submitted,

By 

Robert B. Murray
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Box-Sequence
1646



**FREE TRANSMITTAL
for FY 2003
(Small Entity)**

		Complete if Known	
		Application Number	09/581,252
		Filing Date	December 4, 2000
		First Named Inventor	MUNROE, et al.
		Examiner Name	Elizabeth KEMMERER
		Group Art Unit	1646
Total Amount of Payment	(\$ 475.00	Attorney Docket Number	2931-105

METHOD OF PAYMENT (check one)

- ☒ The Commissioner is hereby authorized to charge additional fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck
- ☒ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status.
- ☒ Payment Enclosed:
 - ☒ Check
 - ☐ Credit Card

FEE CALCULATION

1. FILING FEE

Fee Code	Fee \$	Fee Description	Fee Paid
2001	385	Utility filing fee	[]
2002	170	Design Filing Fee	[]
2003	265	Plant Filing Fee	[]
2004	385	Reissue Filing Fee	[]
2005	80	Provisional Filing Fee	[]

SUBTOTAL \$ 0.00

2. CLAIMS

Total Claims	Independent Claims	Multiple Dependent Claims	Extra Claims	Fee	Fee Paid
[19]	[]	[]	- 20** = [0]	\$ 9 =	[0.00]
[4]	[]	[]	- 4** = [0]	43 =	[0.00]
			+	145 =	[]

**or number previously paid, if greater;

SUBTOTAL \$ 0.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Fee Code	Fee	Fee Description	Fee Paid
2051	65	Surcharge - late filing fee or oath	[]
2052	25	Surcharge - late provisional filing fee or cover sheet	[]
1053	130	Non-English specification	[]
1812	2,520	For filing a request for reexamination	[]
1804	920	Requesting publication of SIR prior to Examiner action	[]
1805	1,840*	Requesting publication of SIR after Examiner action	[]
2251	55	Extension for reply within first month	[]
2252	210	Extension for reply within second month	[]
2253	475	Extension for reply within third month	[475.]
2254	740	Extension for reply within fourth month	[]
2255	1,005	Extension for reply within fifth month	[]
2401	165	Notice of Appeal	[]
2402	165	Filing a brief in support of an appeal	[]
2403	145	Request for Oral Hearing	[]
1451	1,510	Petition to institute a public use proceeding	[]
2452	55	Petition to revive -unavoidable	[]
2453	475	Petition to revive - unintentional	[]
2501	665	Utility issue fee (or reissue)	[]
2502	240	Design issue fee	[]
2503	320	Plant issue fee	[]
1460	130	Petitions to the Commissioner	[]
1807	50	Processing fee under 37 CFR 1.17(q)	[]
1806	180	Submission of Information Disclosure Statement	[]
8021	40	Recording each patent assignment per property (times number of properties)	[]
2809	385	Filing a submission after final rejection (37 CFR .129(a))	[]
2810	385	For each additional invention to be examined (37 CFR 1.129(b))	[]
2801	385	Request for Continued Examination (RCE)	[]
1802	900	Request for expedited examination of a design application	[]
1504	300	Publication fee for early, voluntary, or normal publication	[]
1505	300	Publication fee for republication	[]
1455	200	Filing an application for patent term adjustment	[]
1456	400	Request for reinstatement of term reduced	[]
		Other fee (specify)	[]

* Reduced by Basic Filing Fee Paid

SUBTOTAL \$ 475.00

SUBMITTED BY		Complete (if applicable)	
NAME AND REG. NUMBER	Robert B. Murray, Reg. No. 22,980		
SIGNATURE	DATE	March 11, 2004	DEPOSIT ACCOUNT USER ID